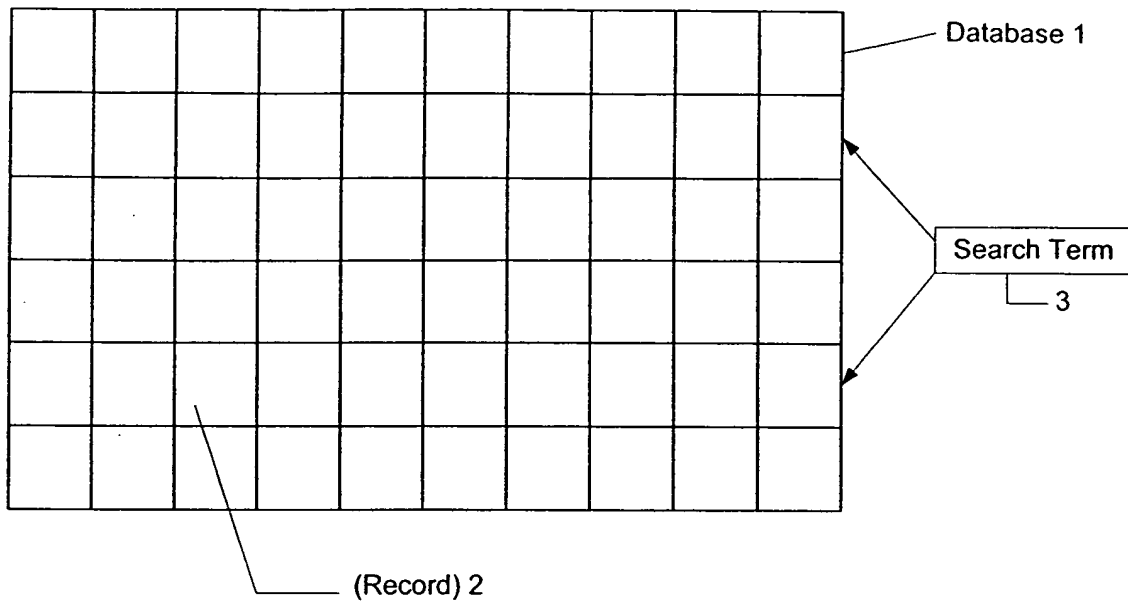


# FIGURE 1



# FIGURE 2

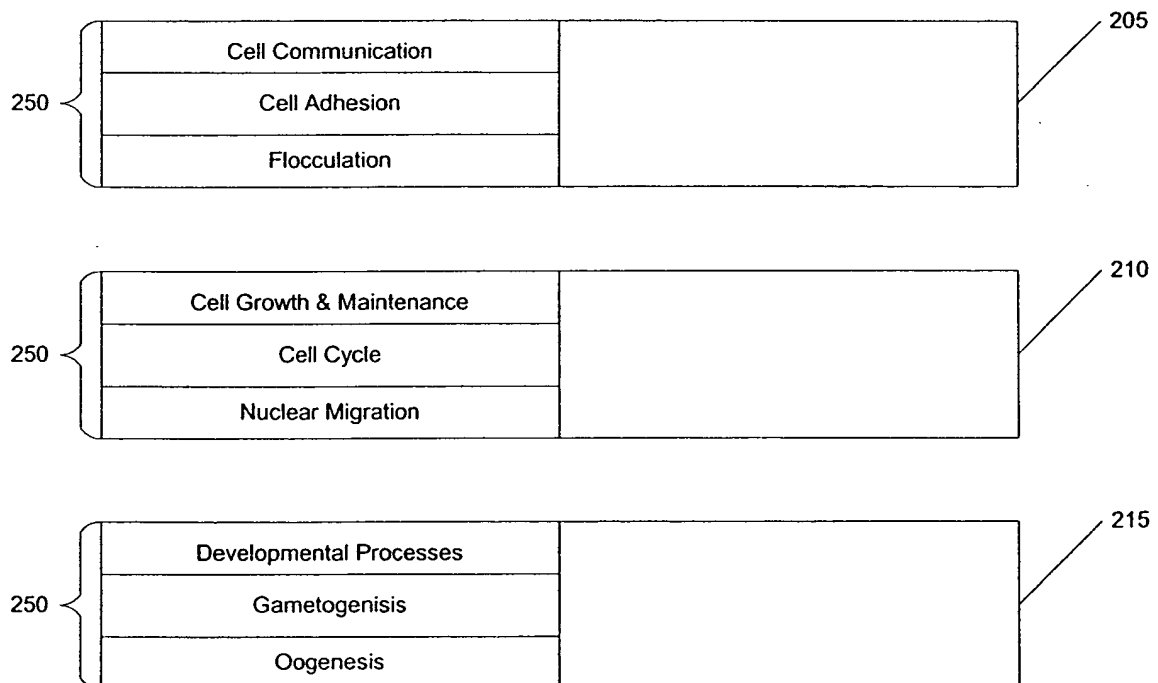
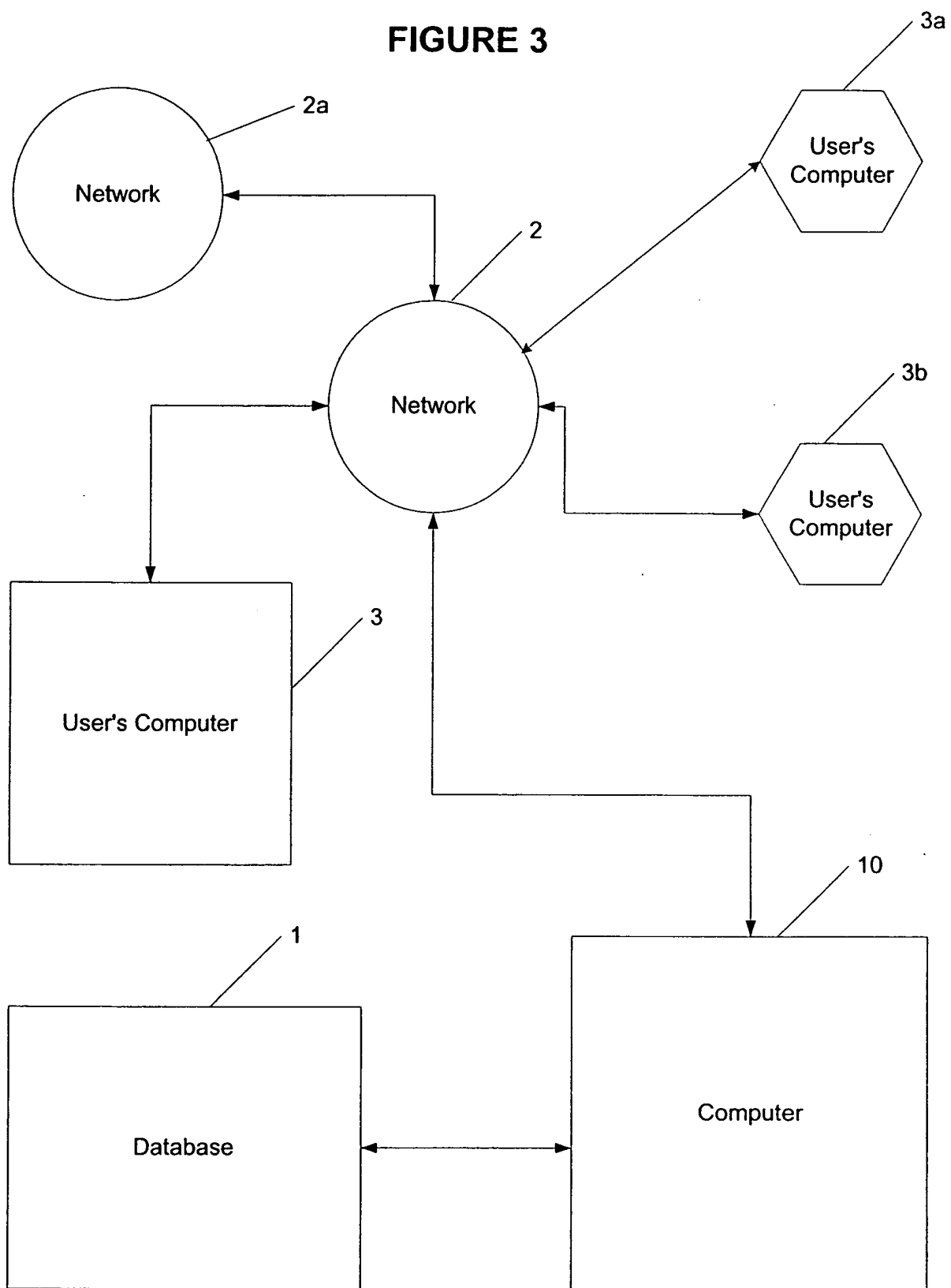
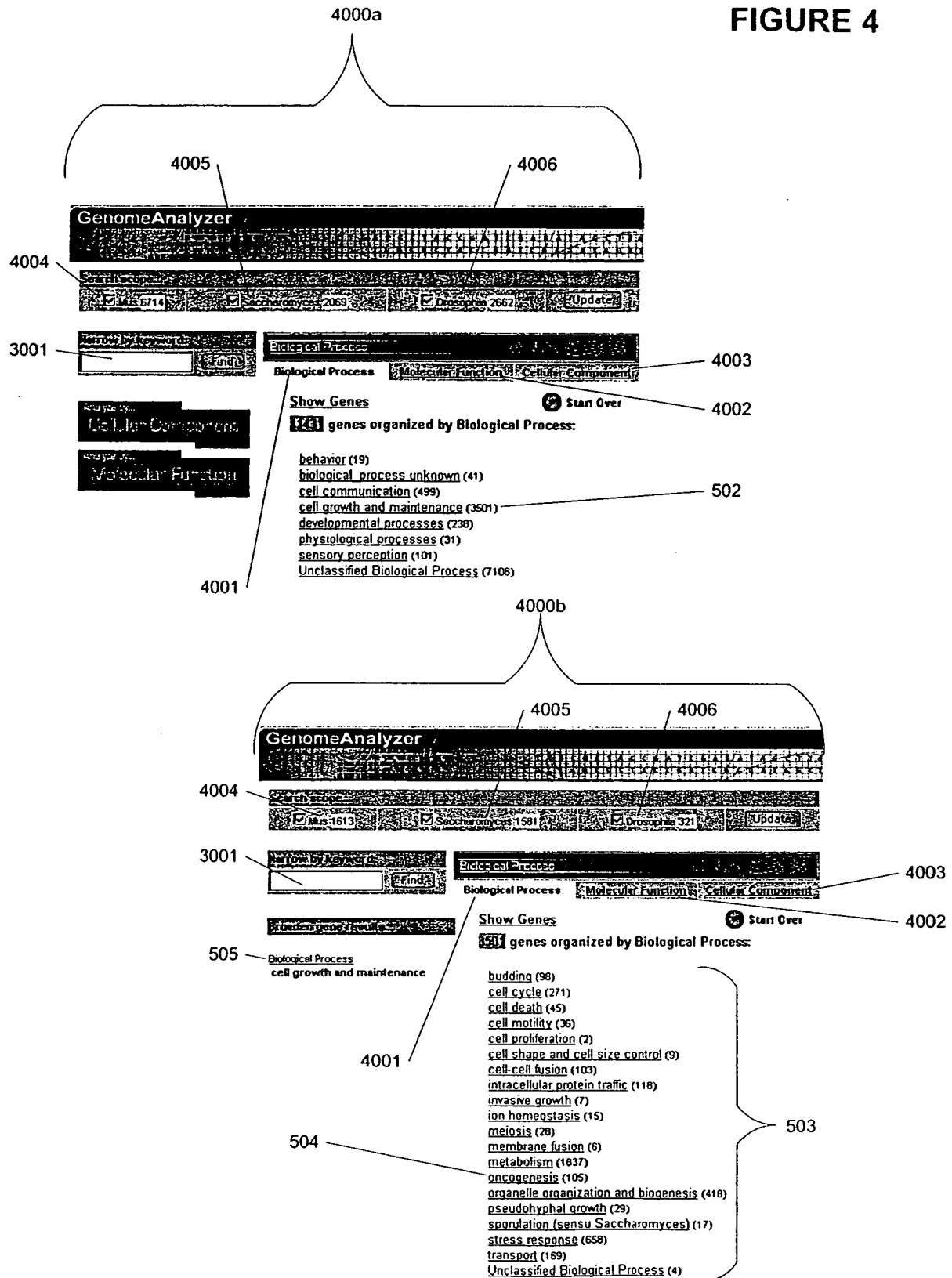


FIGURE 3

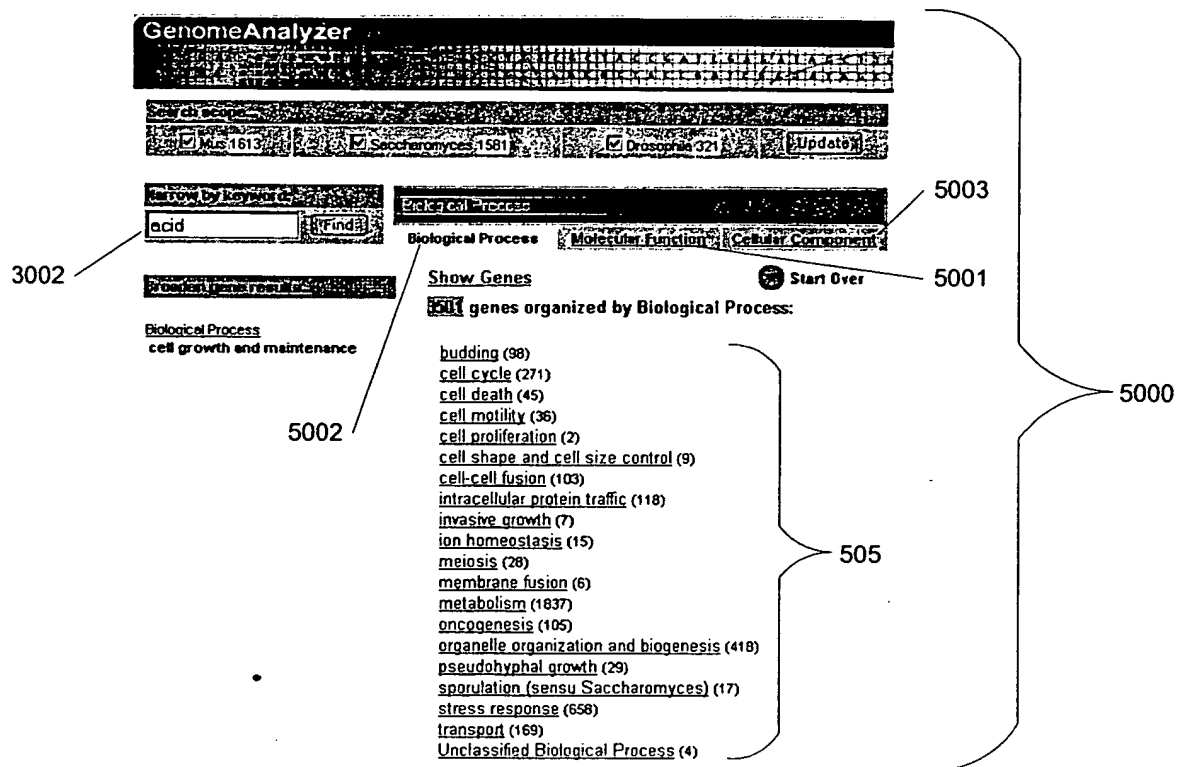


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FIGURE 4



# FIGURE 5



# FIGURE 6

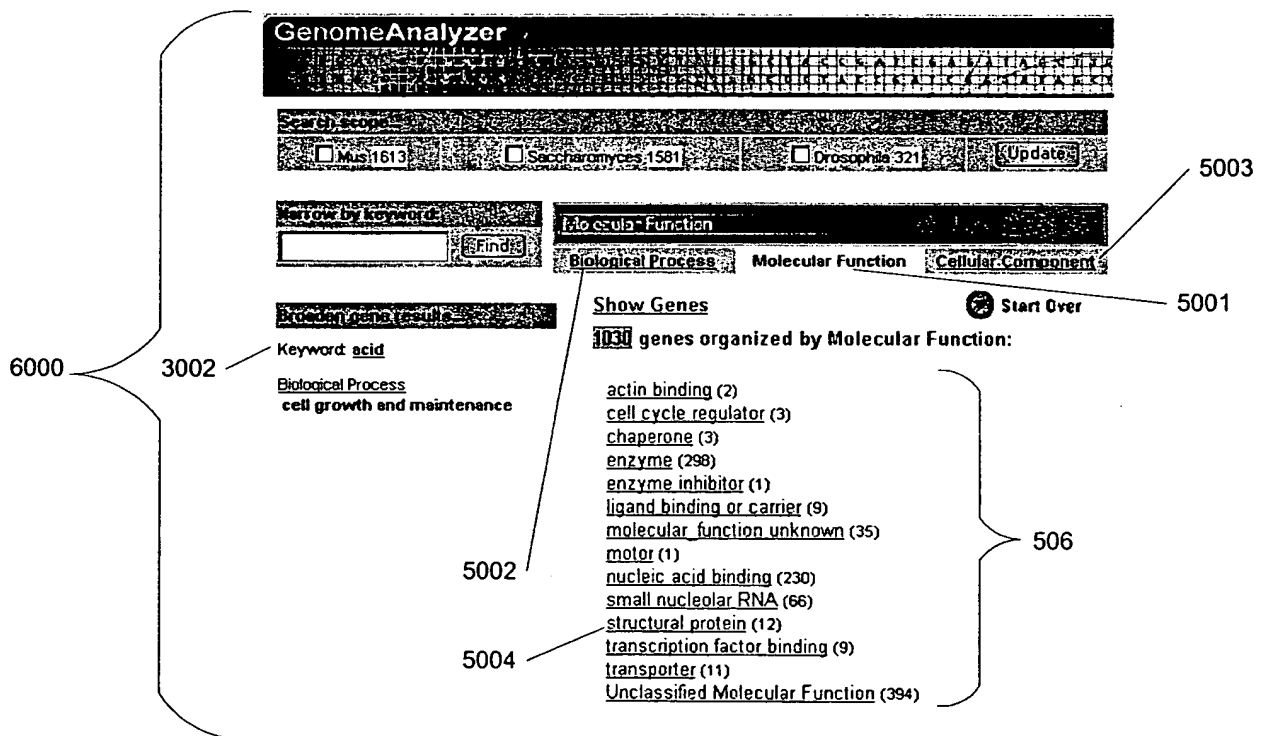
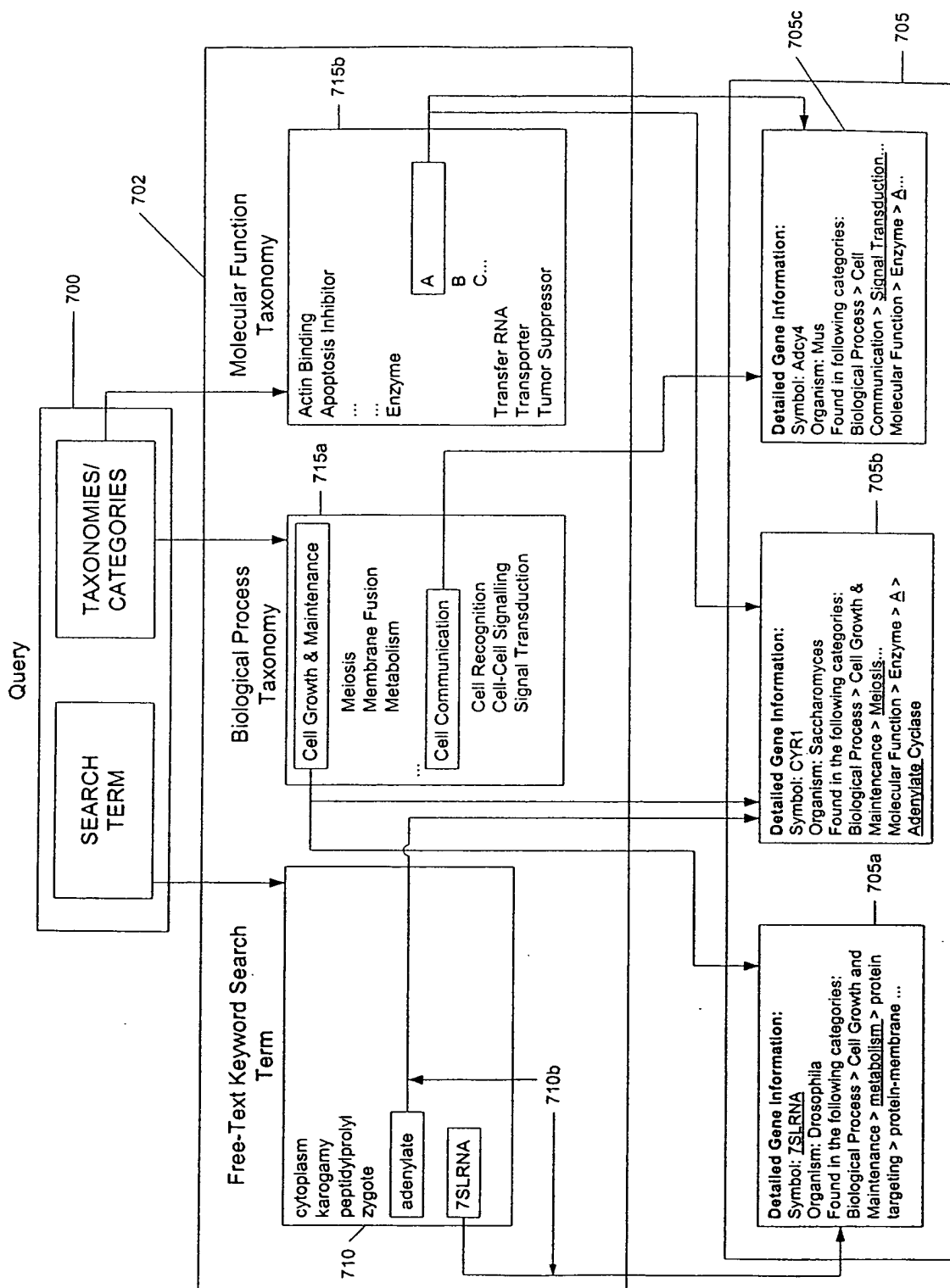
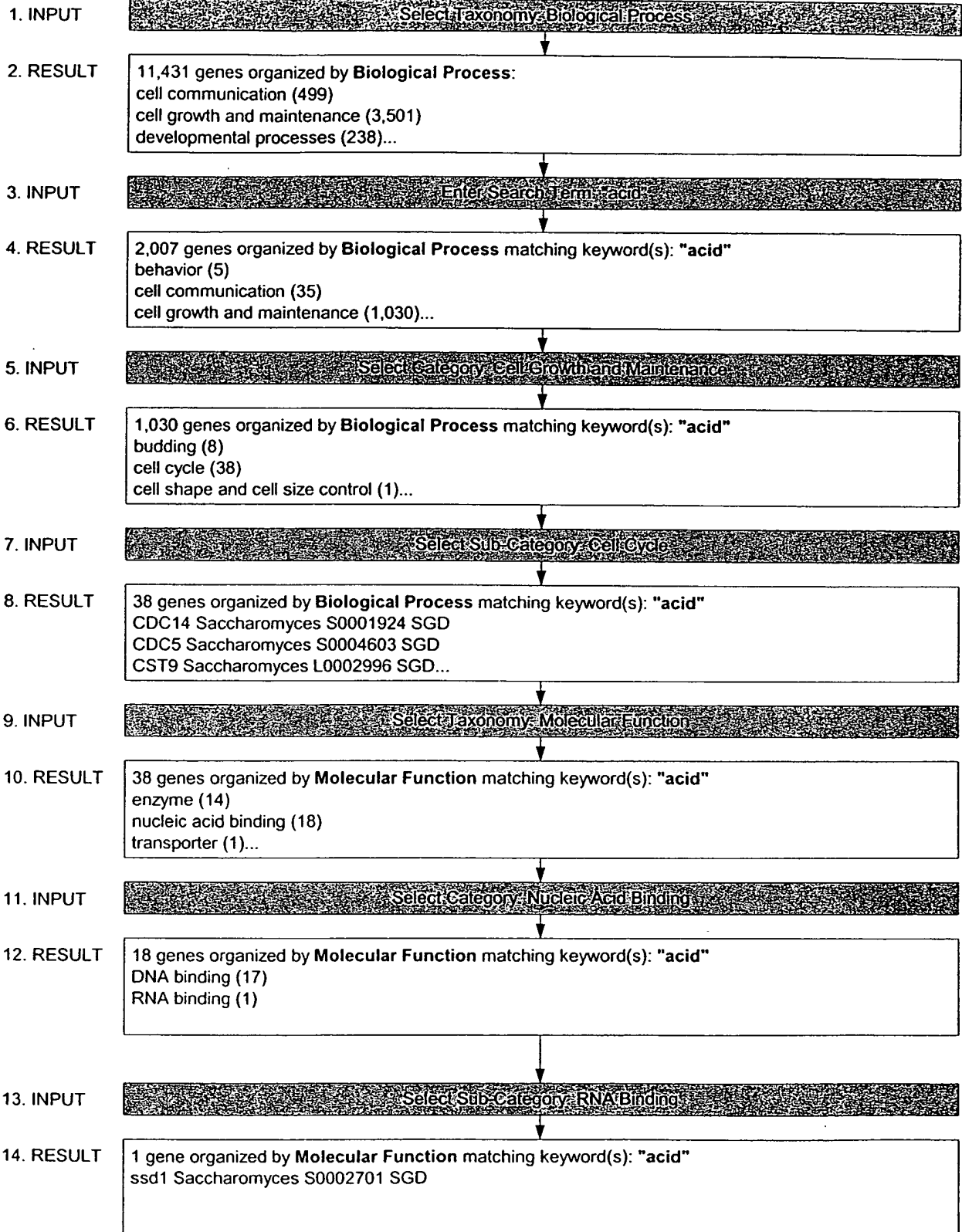
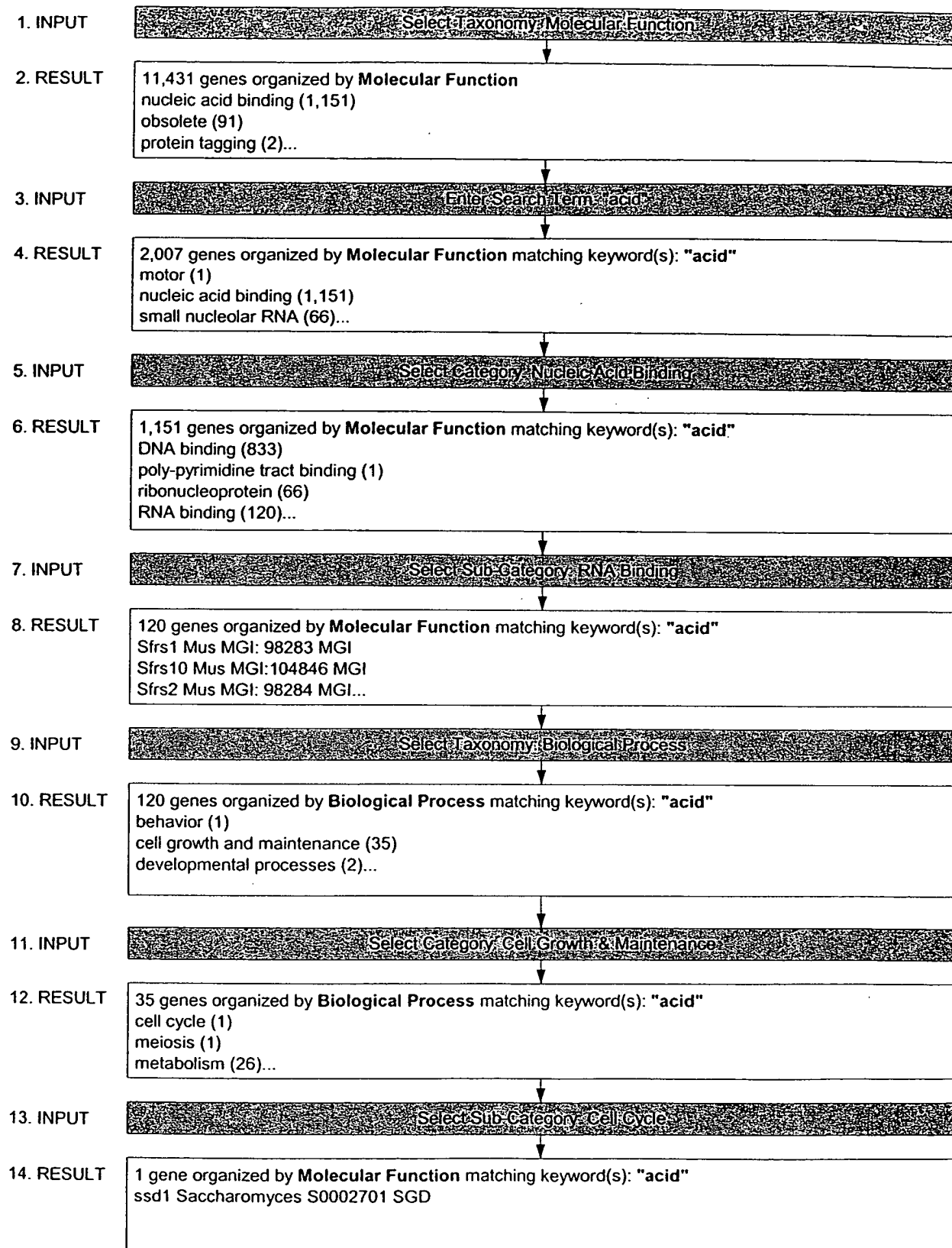


FIGURE 7



# FIGURE 8



[illegible]

**THE**

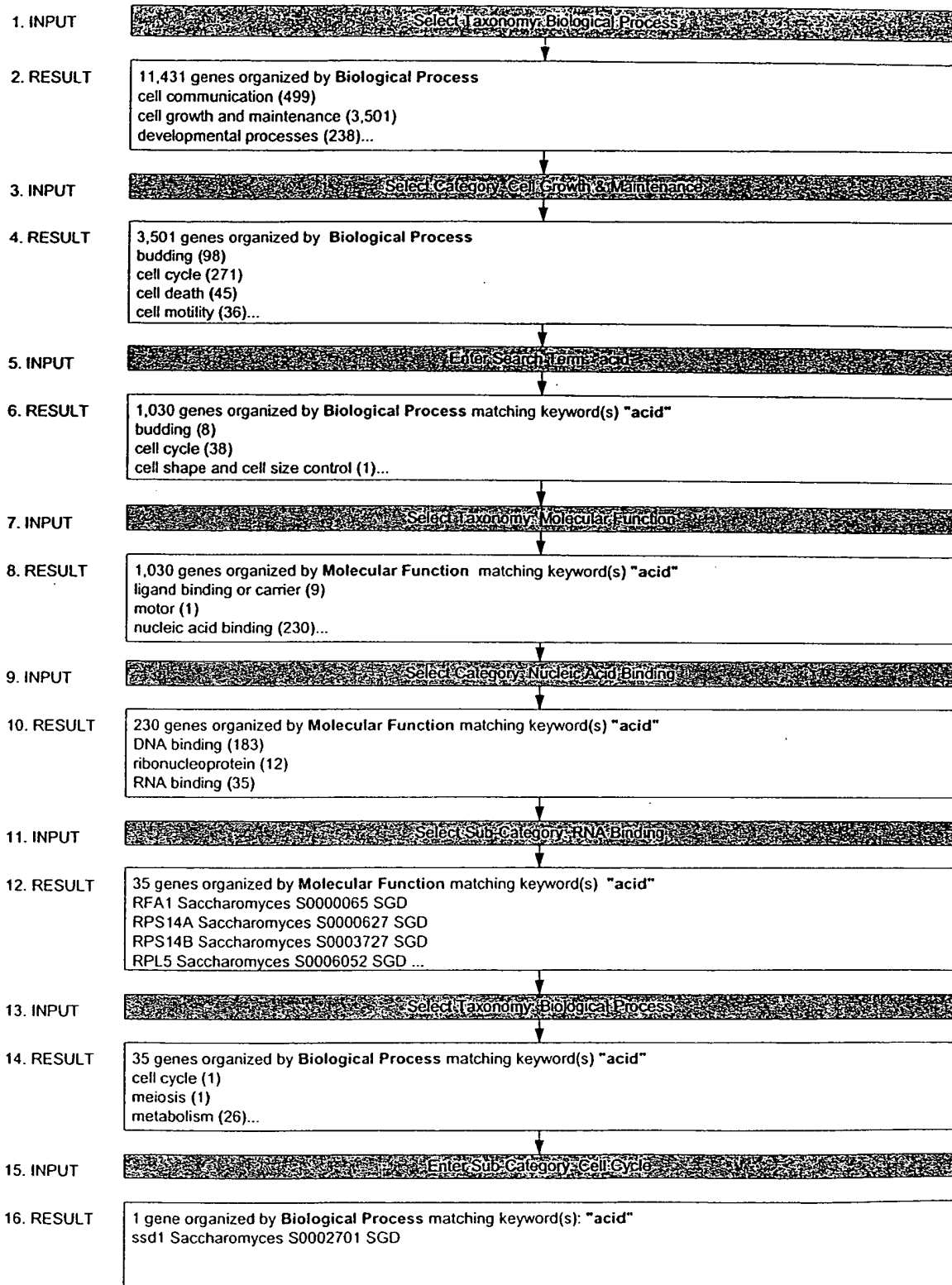
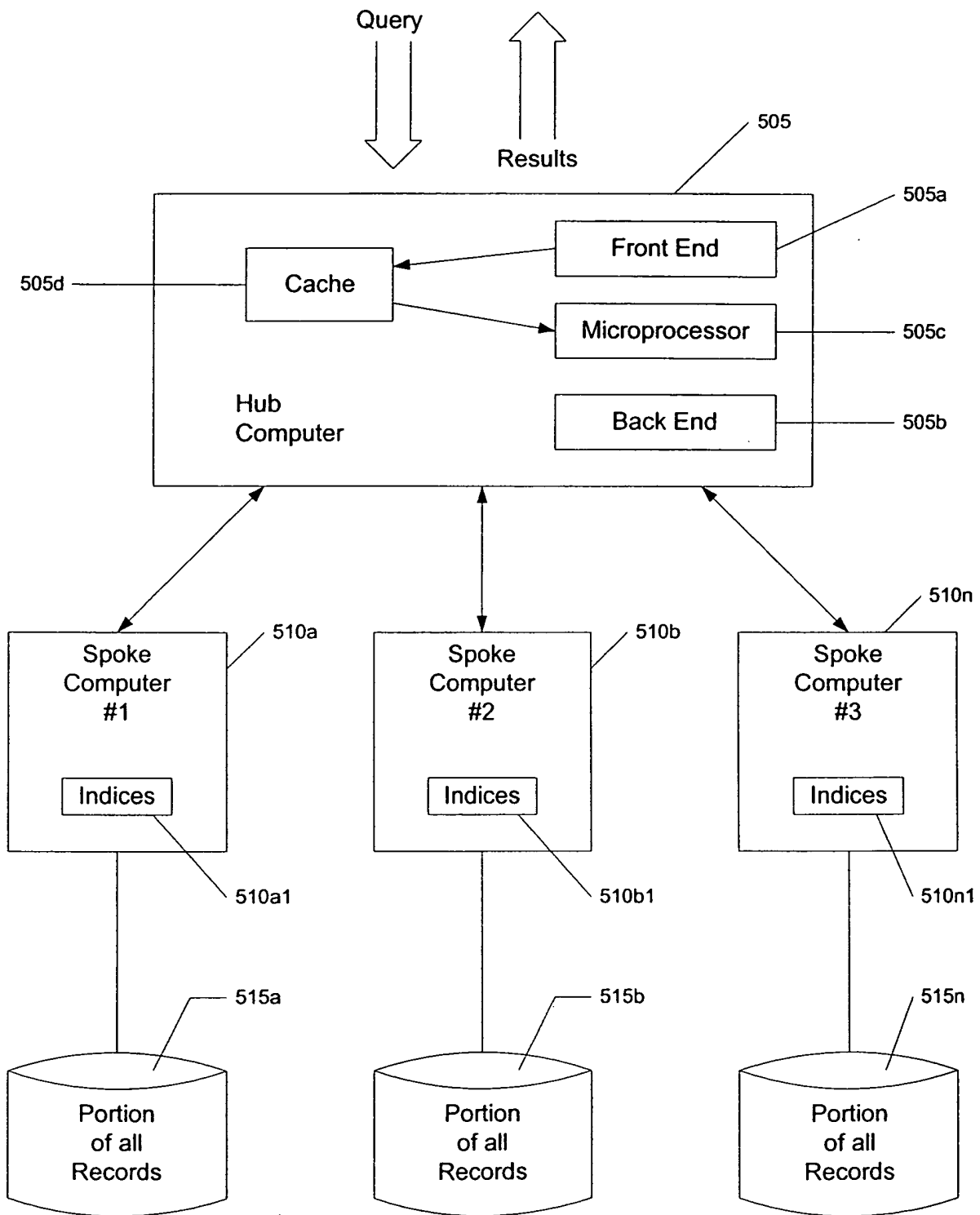
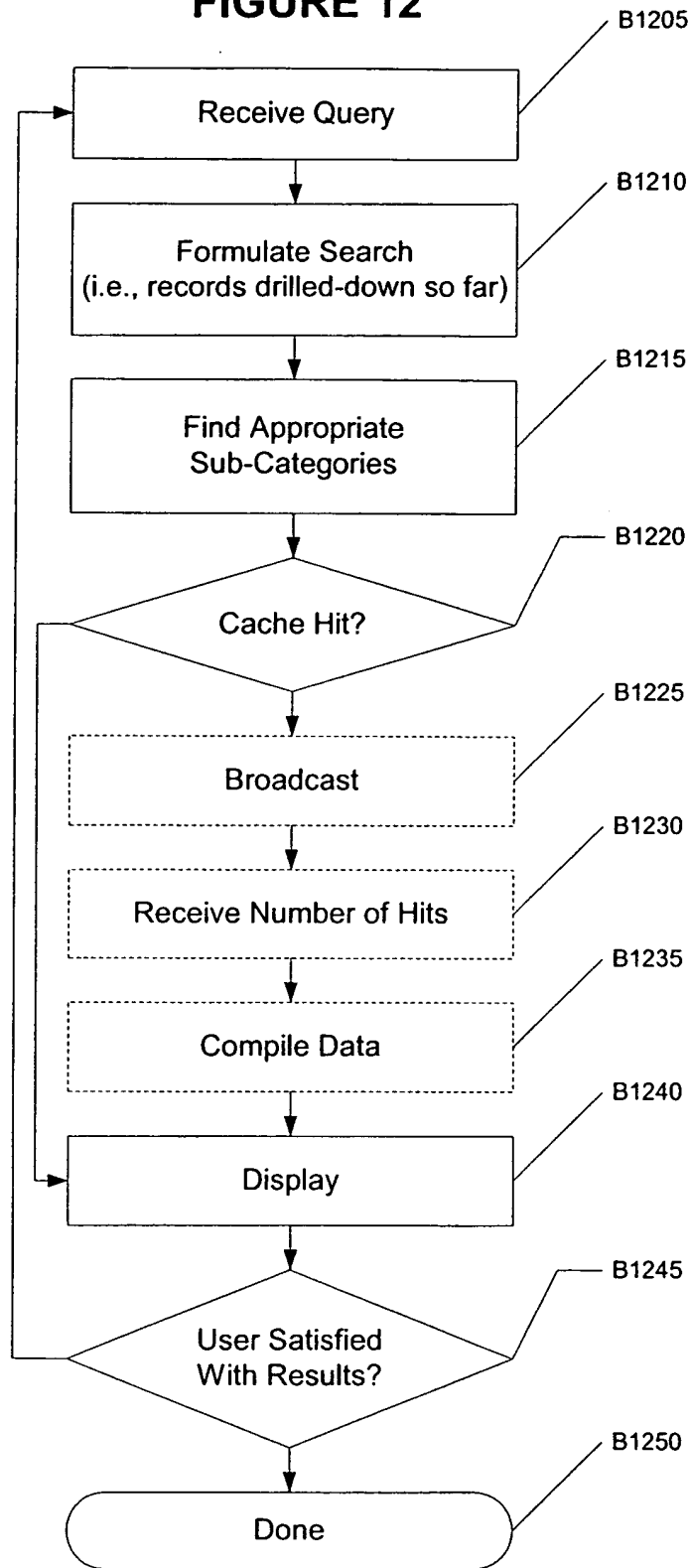




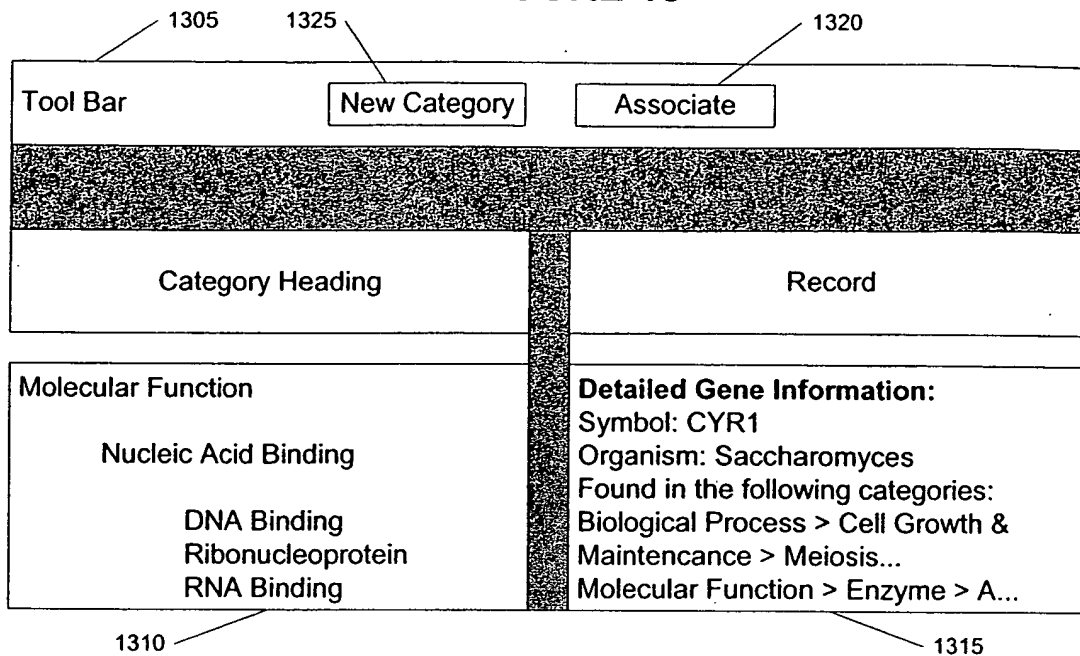
FIGURE 11



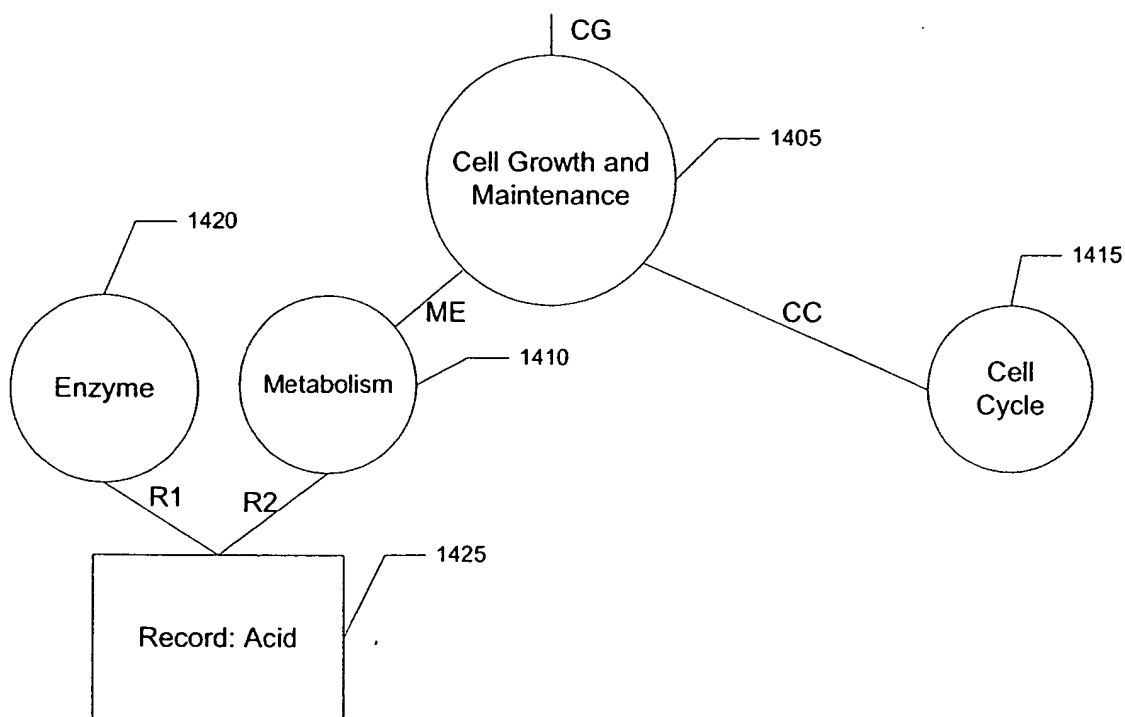
**FIGURE 12**



# FIGURE 13



# FIGURE 14



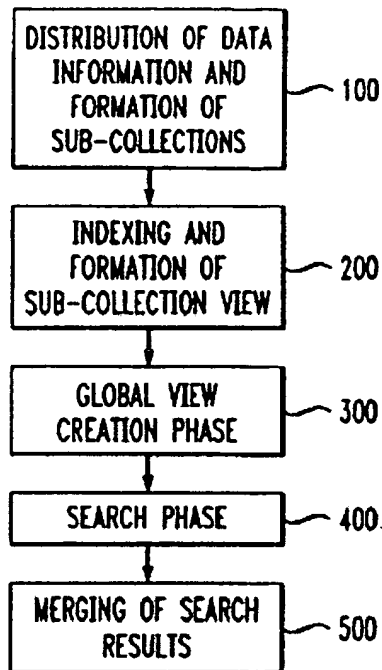


FIGURE 15

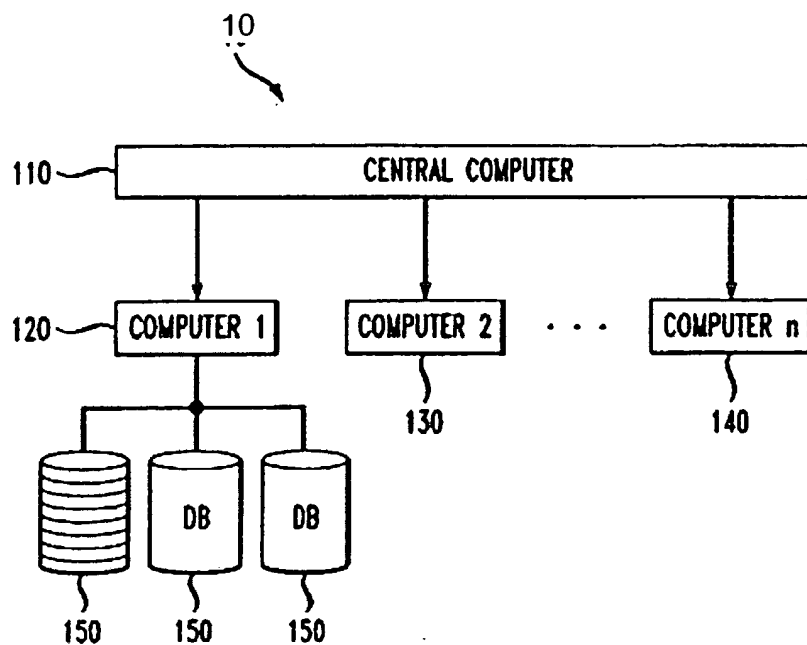


FIGURE 16

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WORD <sub>1</sub> → DOCUMENT <sub>1</sub> , WEIGHT <sub>1</sub> ; DOCUMENT <sub>2</sub> , WEIGHT <sub>2</sub> ; ...; DOCUMENT <sub>X</sub> , WEIGHT <sub>J</sub>	220
WORD <sub>2</sub> → DOCUMENT <sub>1</sub> , WEIGHT <sub>3</sub> ; DOCUMENT <sub>2</sub> , WEIGHT <sub>4</sub> ; ...; DOCUMENT <sub>X</sub> , WEIGHT <sub>K</sub>	230
⋮	
WORD <sub>n</sub> → DOCUMENT <sub>1</sub> , WEIGHT <sub>5</sub> ; DOCUMENT <sub>2</sub> , WEIGHT <sub>6</sub> ; ...; DOCUMENT <sub>X</sub> , WEIGHT <sub>L</sub>	240

FIGURE 17

TOTAL NUMBER OF DOCUMENTS IN SUB-COLLECTION	
WORD <sub>1</sub>	NUMBER OF DOCUMENTS IN SUB-COLLECTION THAT CONTAIN WORD <sub>1</sub>
WORD <sub>2</sub>	NUMBER OF DOCUMENTS IN SUB-COLLECTION THAT CONTAIN WORD <sub>2</sub>
.	.
.	.
.	.
WORD <sub>n</sub>	NUMBER OF DOCUMENTS IN SUB-COLLECTION THAT CONTAIN WORD <sub>n</sub>

FIGURE 18

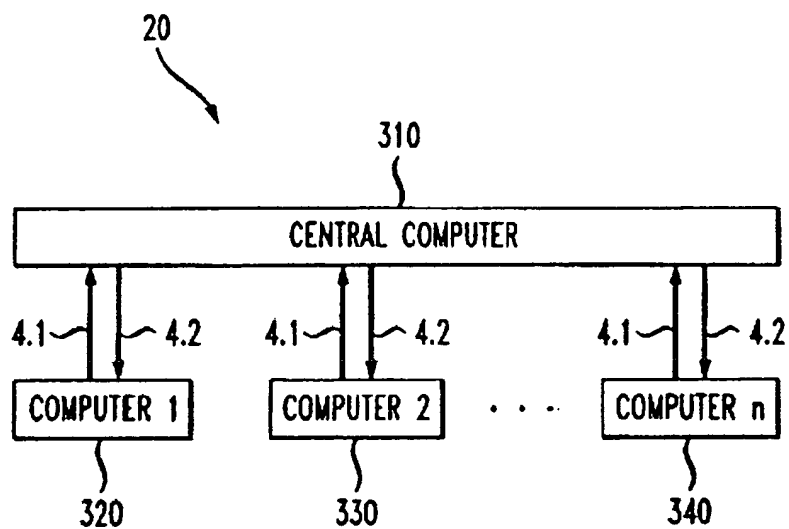


FIGURE 19

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TOTAL NUMBER OF DOCUMENTS IN ALL OF THE SUB-COLLECTIONS	
WORD <sub>1</sub>	TOTAL NUMBER OF DOCUMENTS THAT CONTAIN WORD <sub>1</sub>
WORD <sub>2</sub>	TOTAL NUMBER OF DOCUMENTS THAT CONTAIN WORD <sub>2</sub>
⋮	⋮
WORD <sub>n</sub>	TOTAL NUMBER OF DOCUMENTS THAT CONTAIN WORD <sub>n</sub>

FIGURE 20